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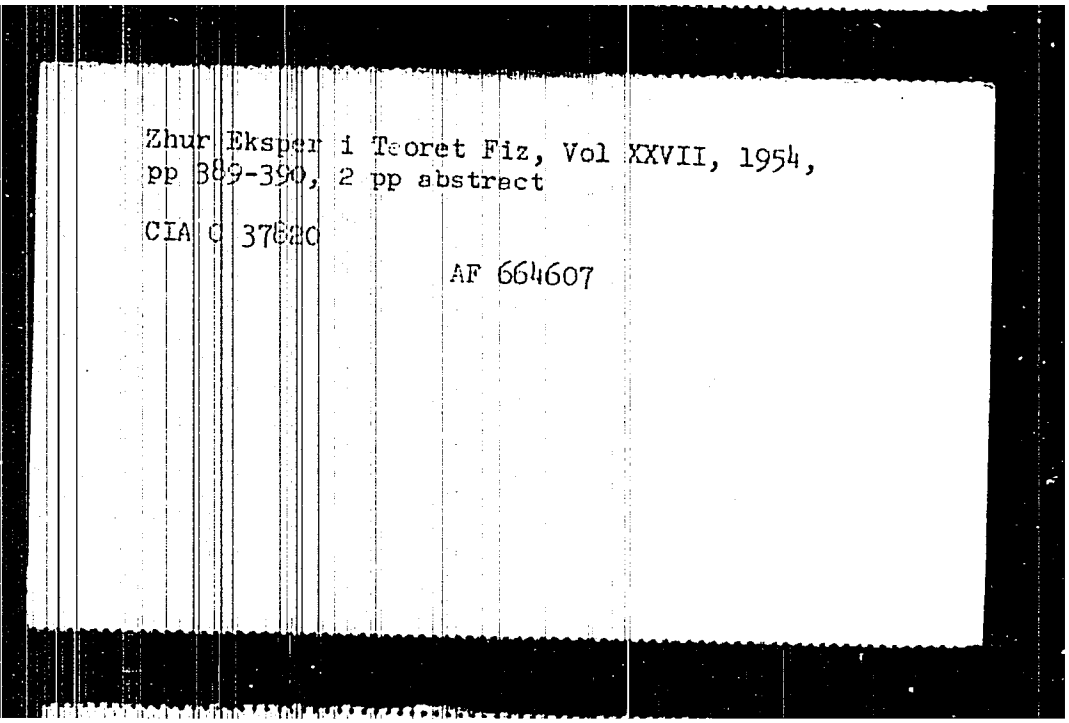

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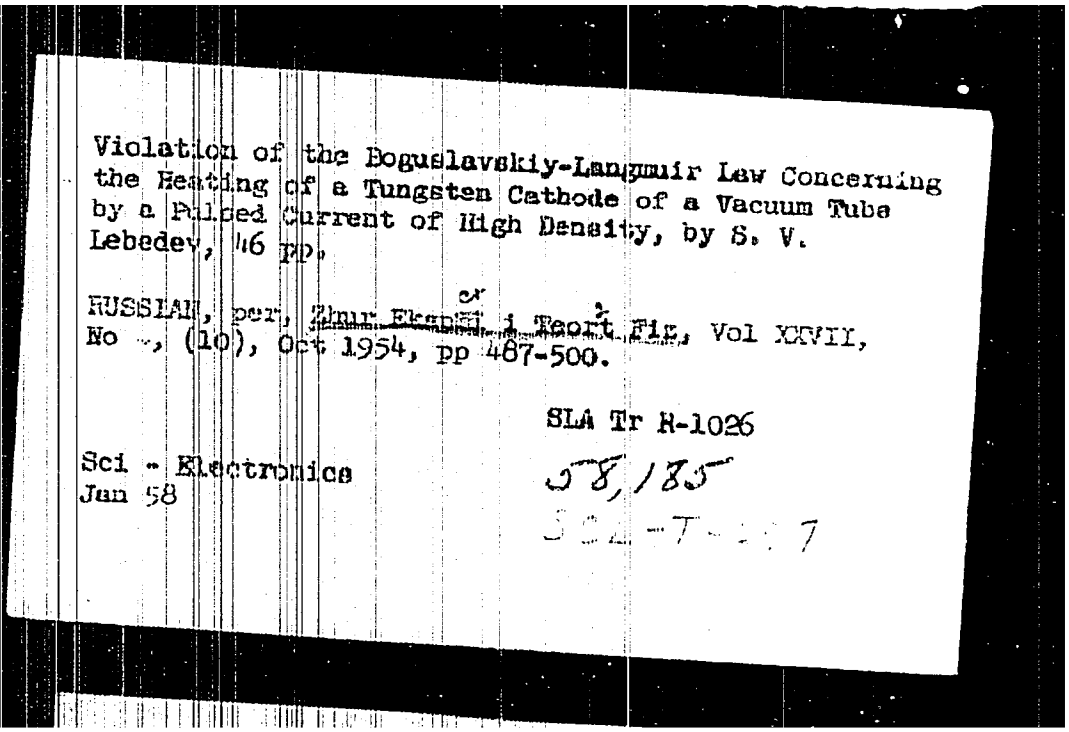

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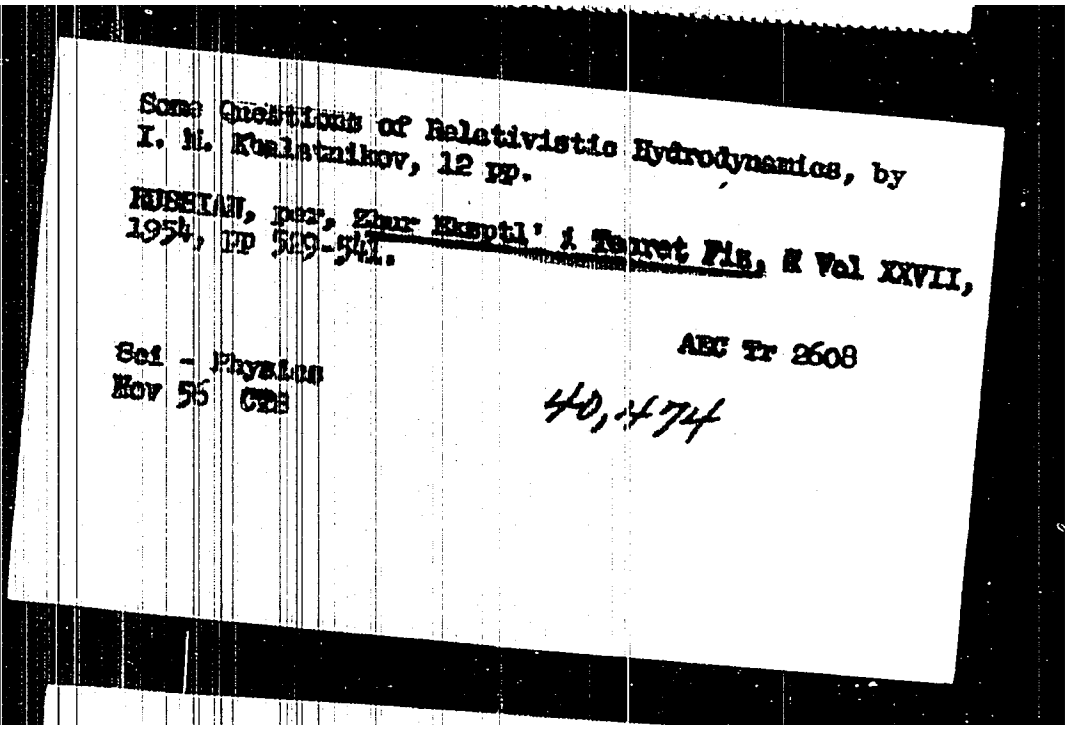

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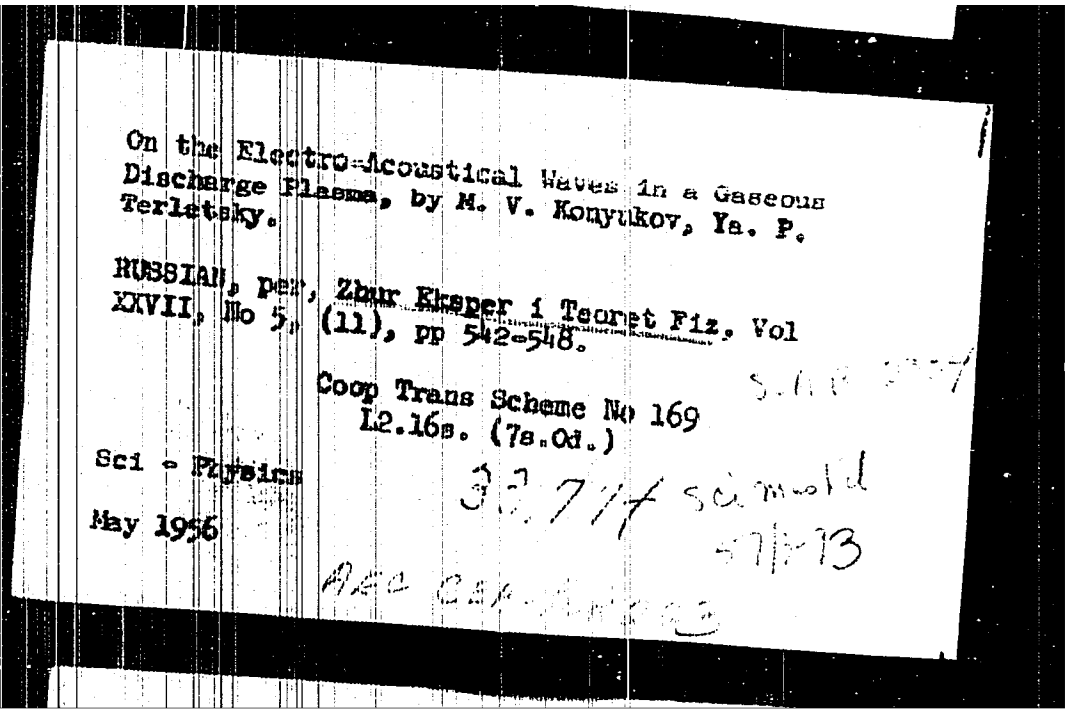

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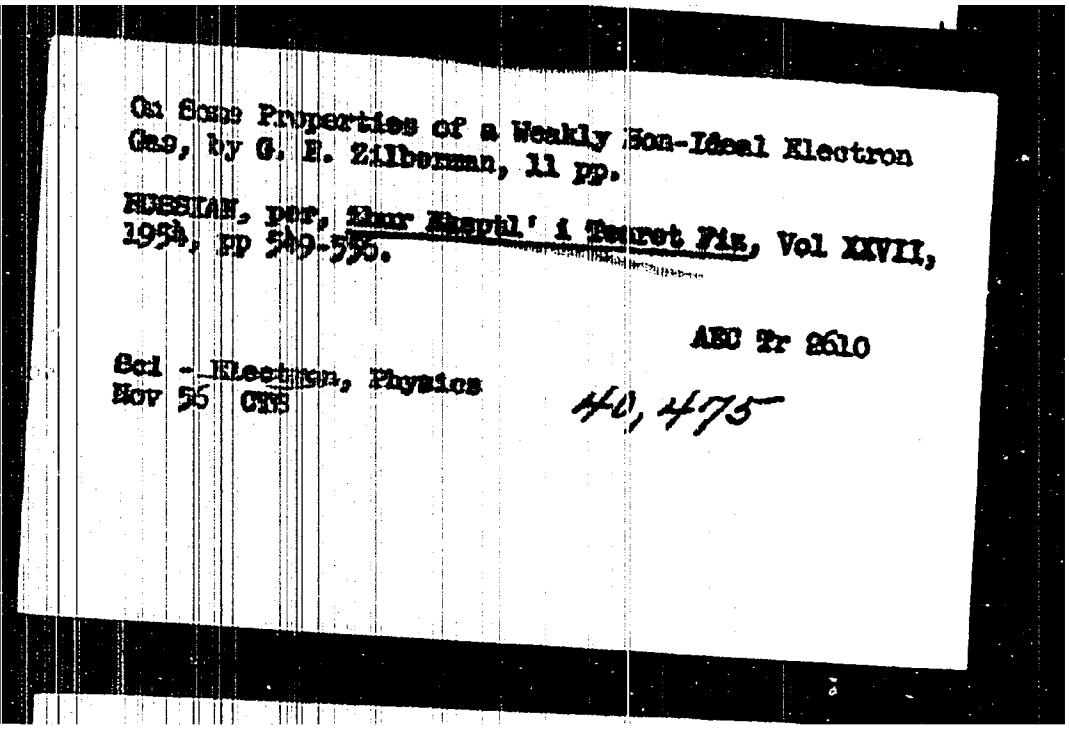

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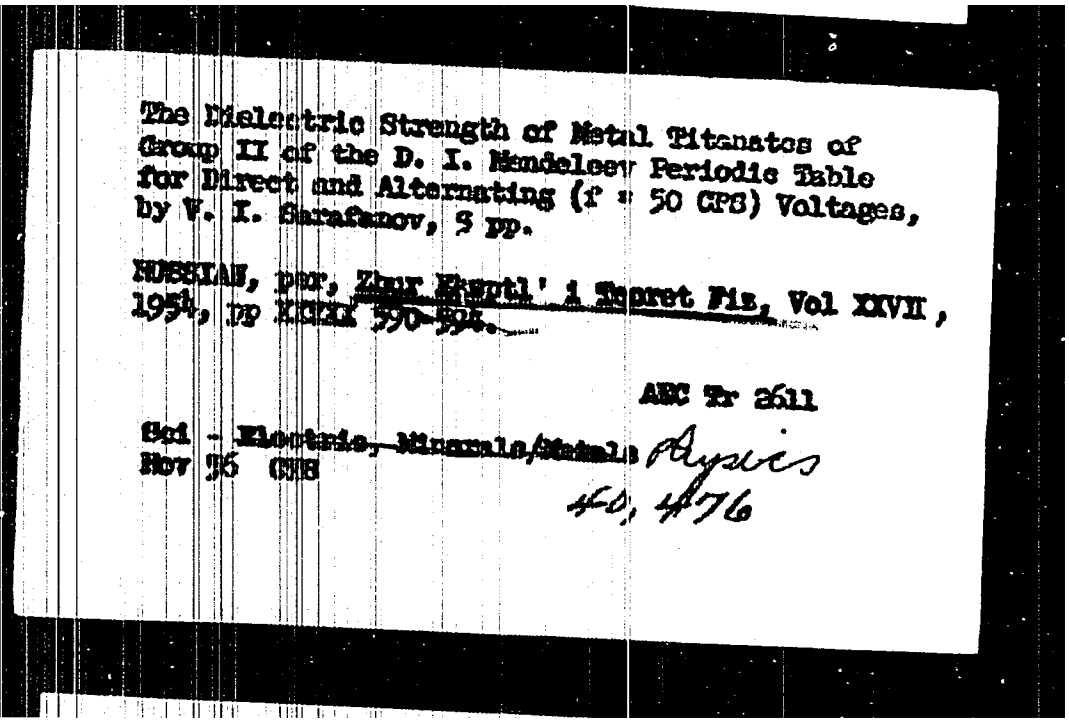

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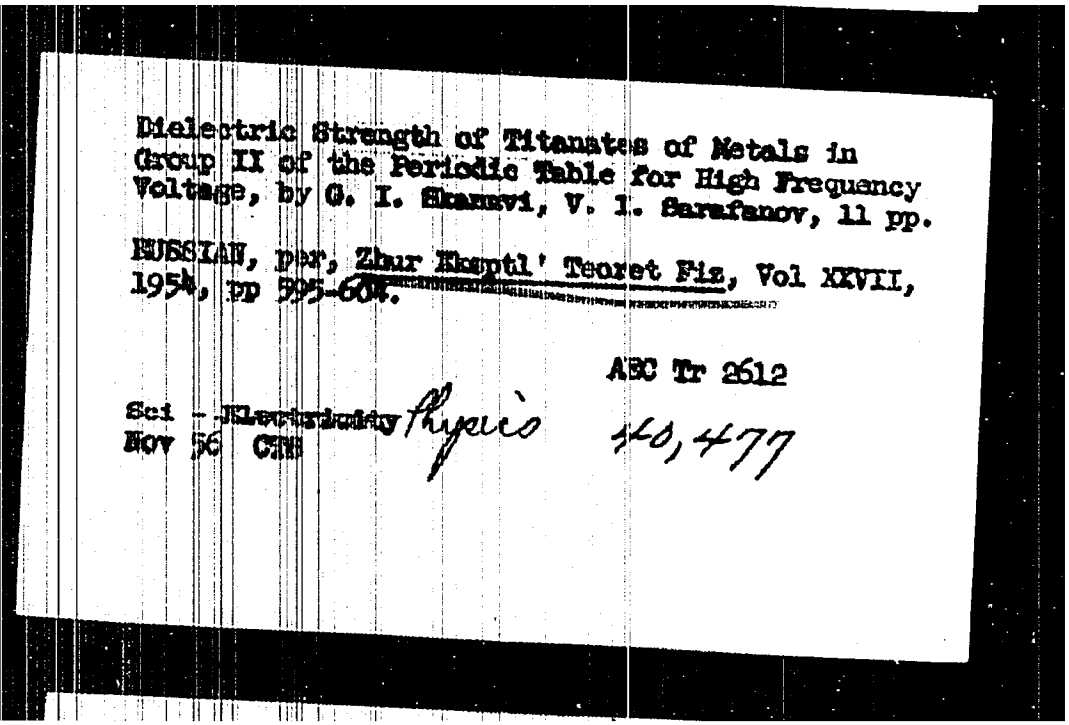

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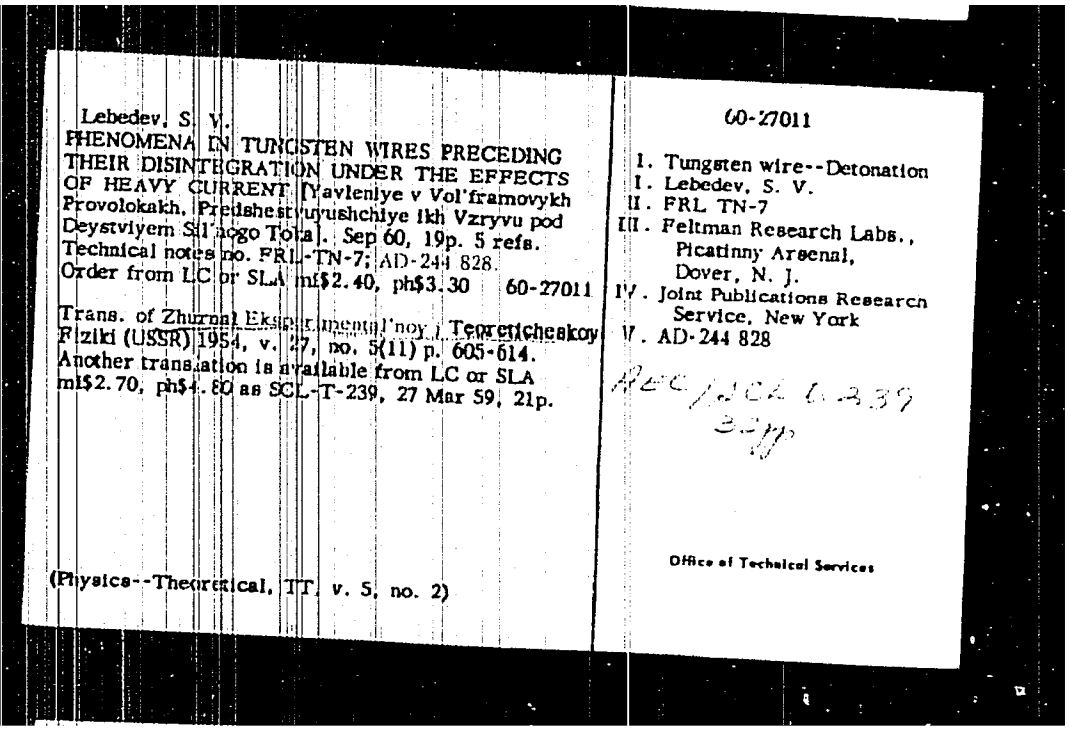

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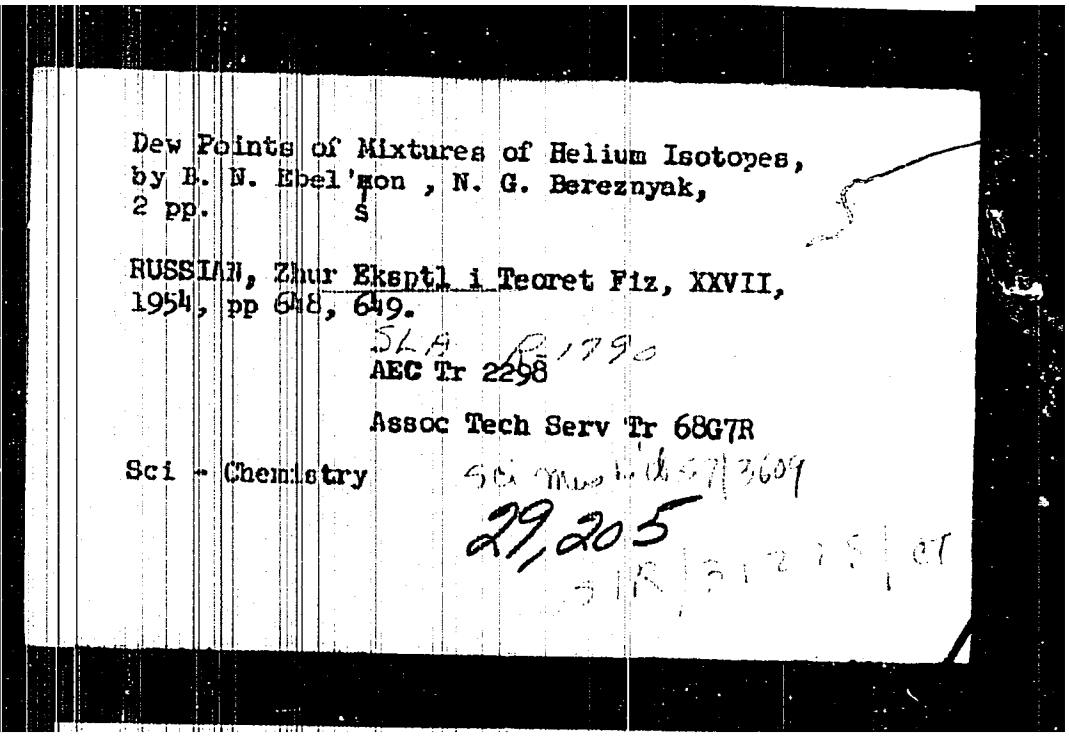

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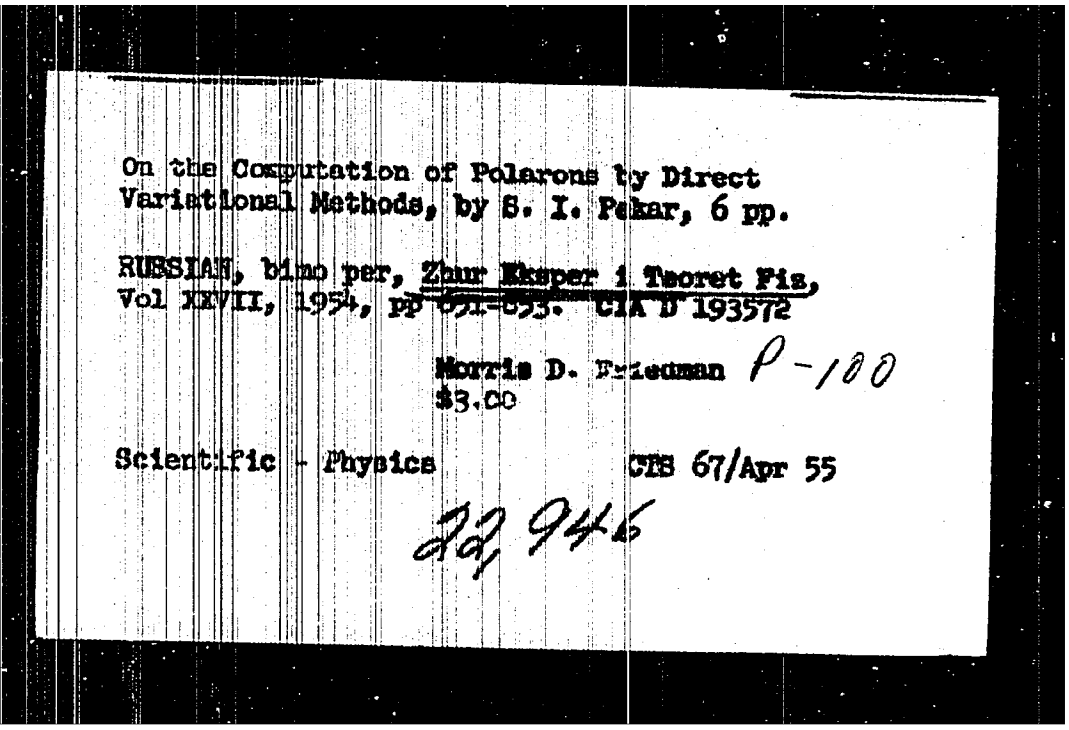

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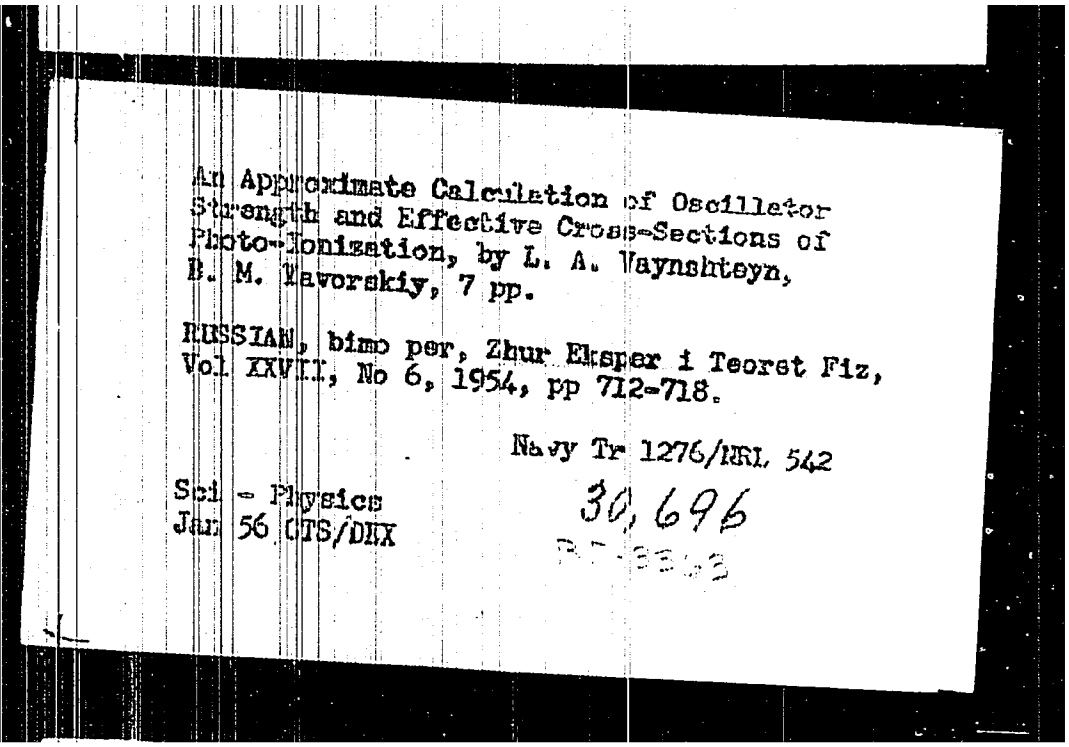

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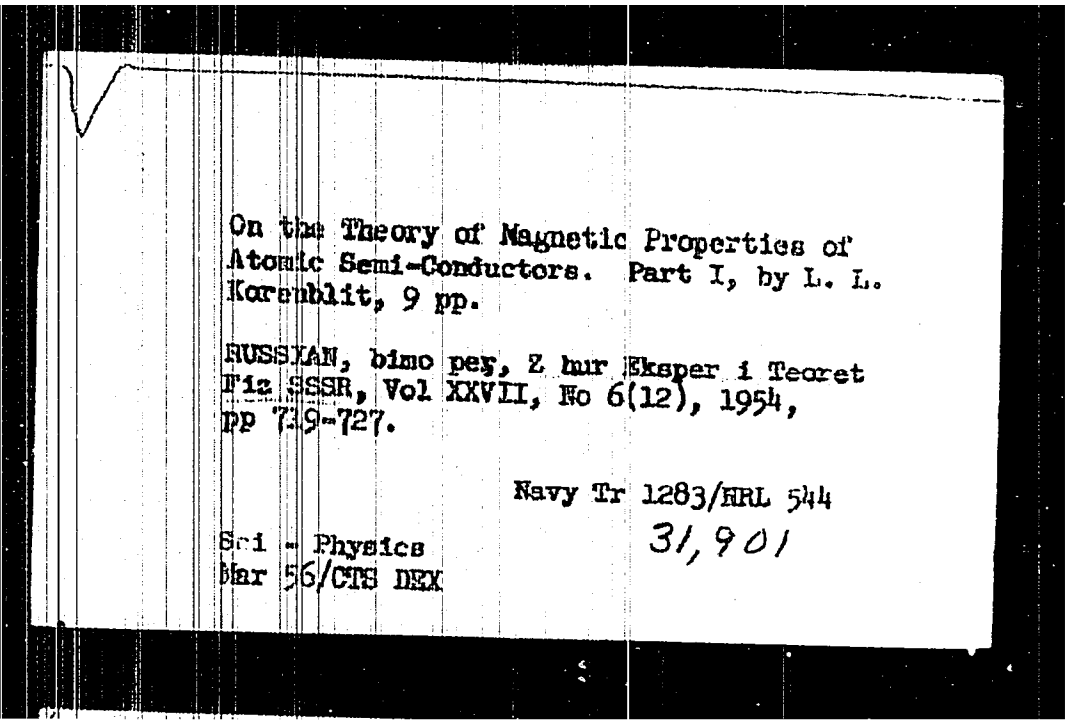

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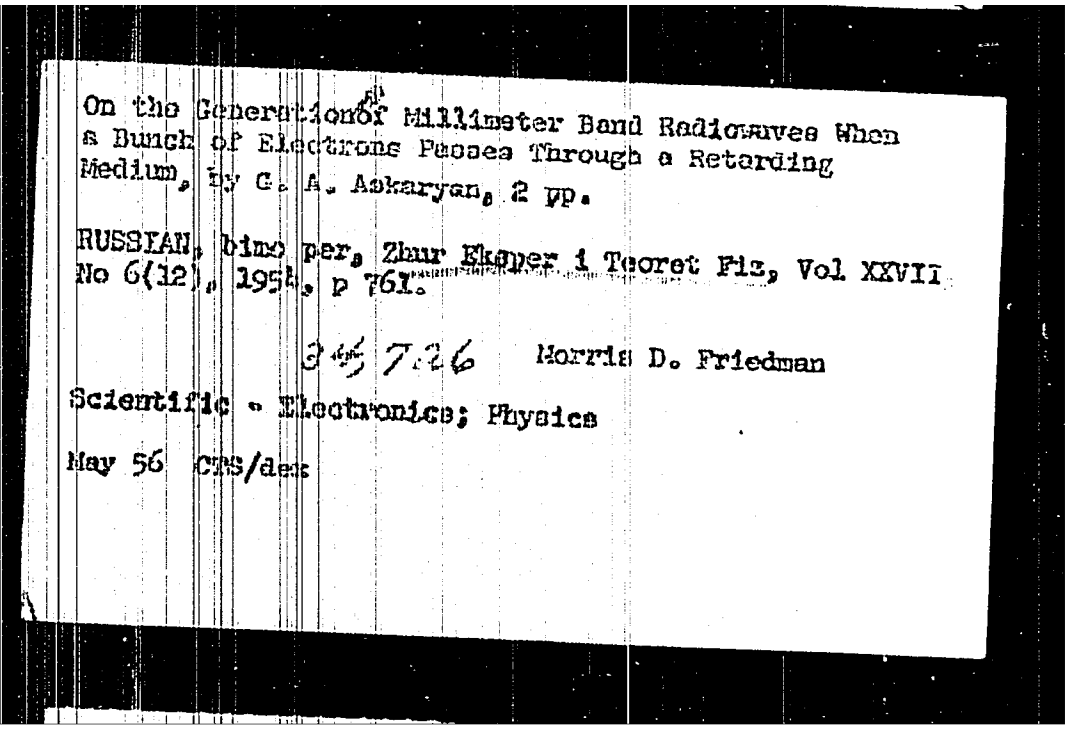

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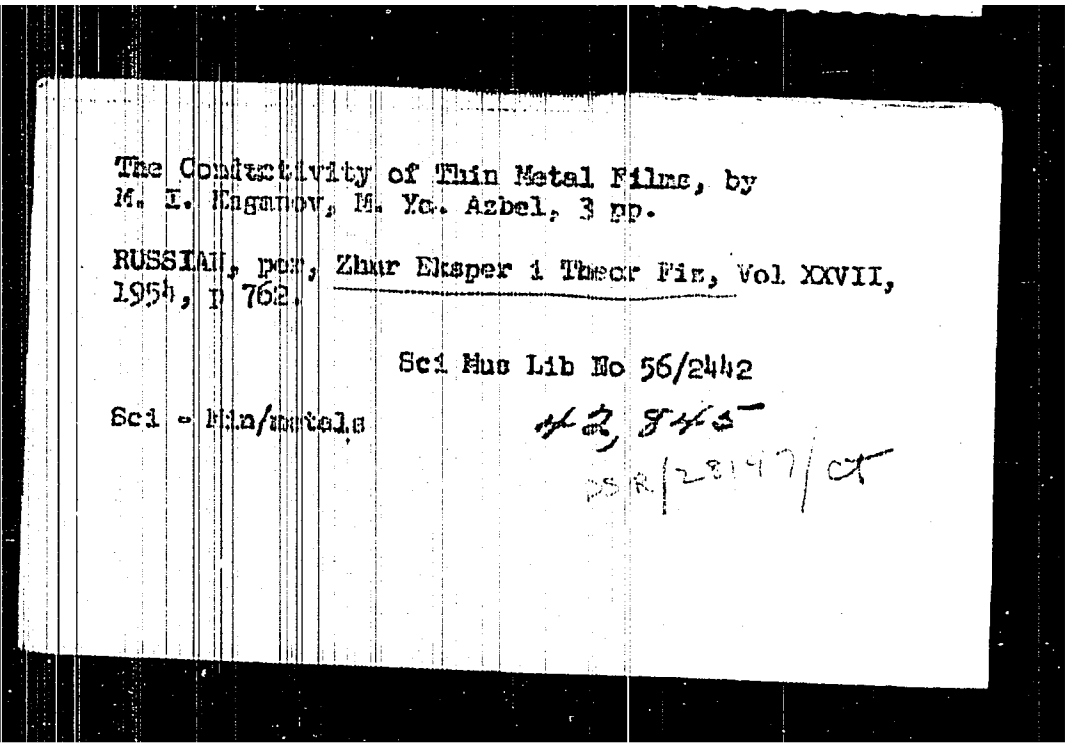

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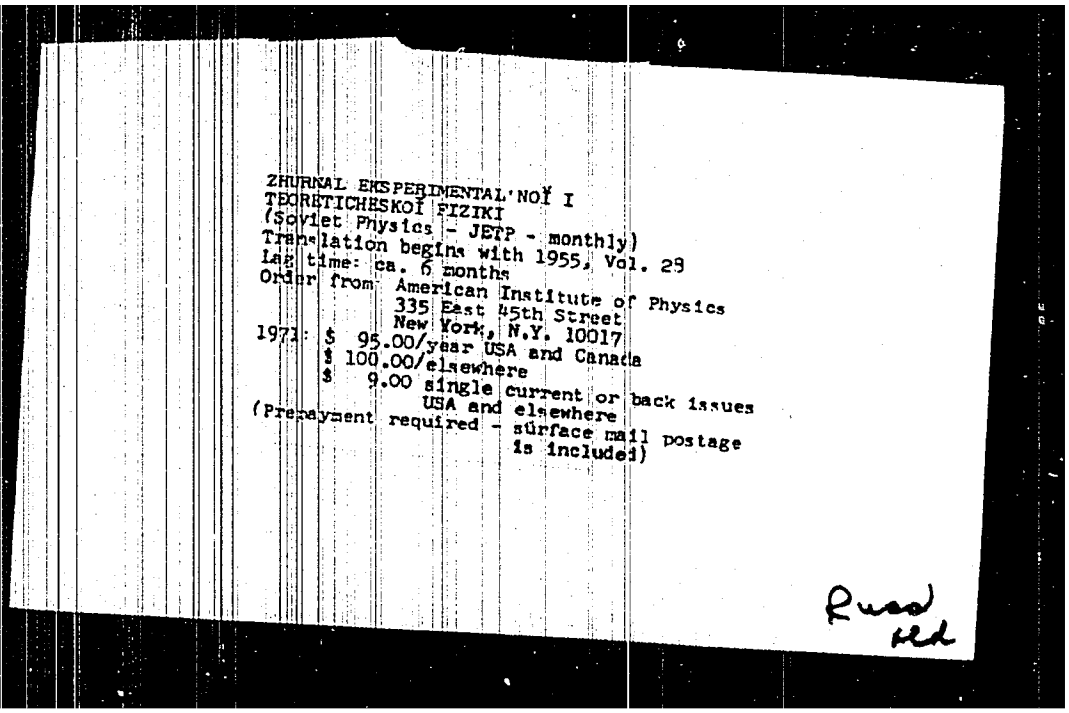

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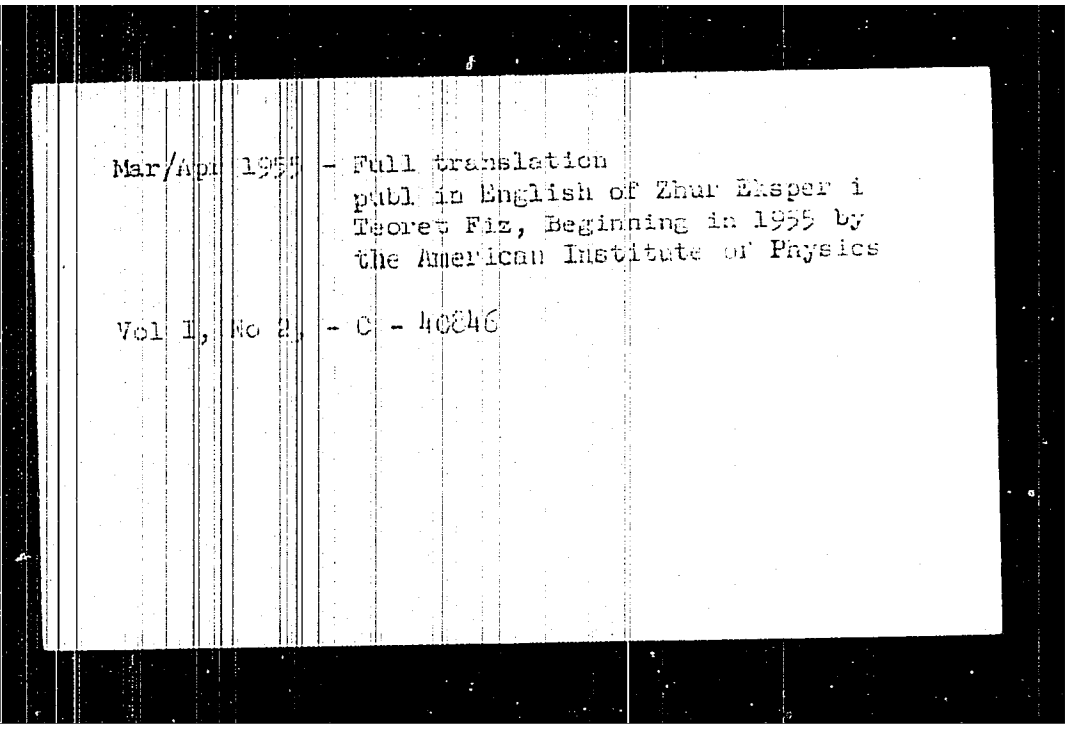
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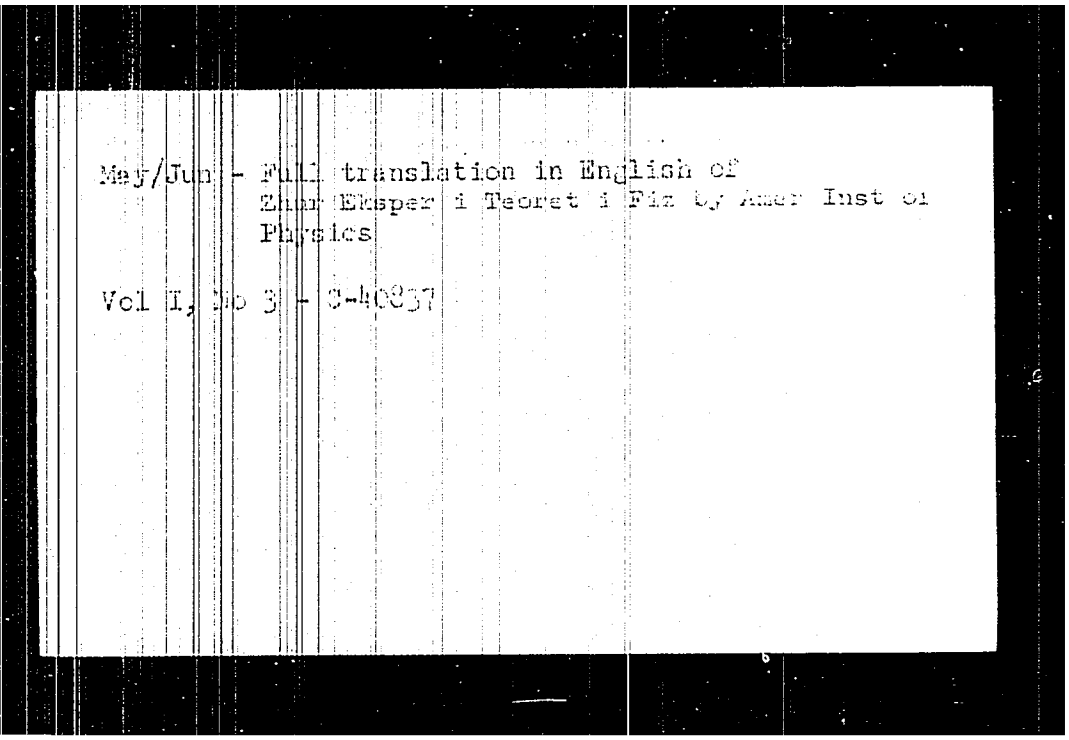

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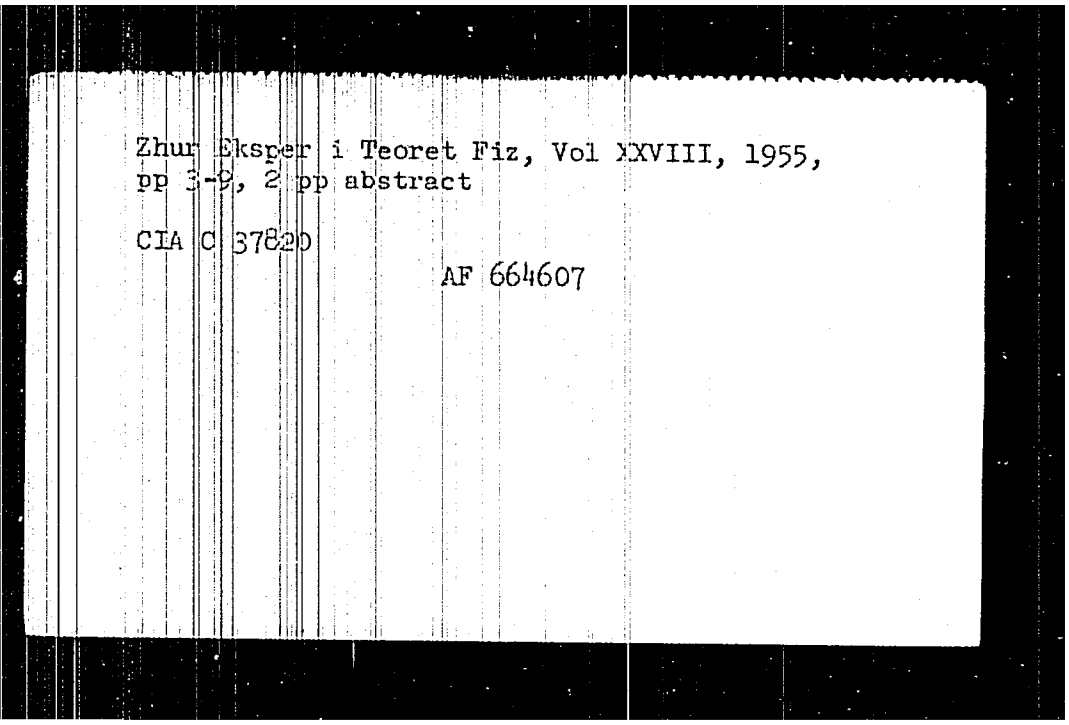

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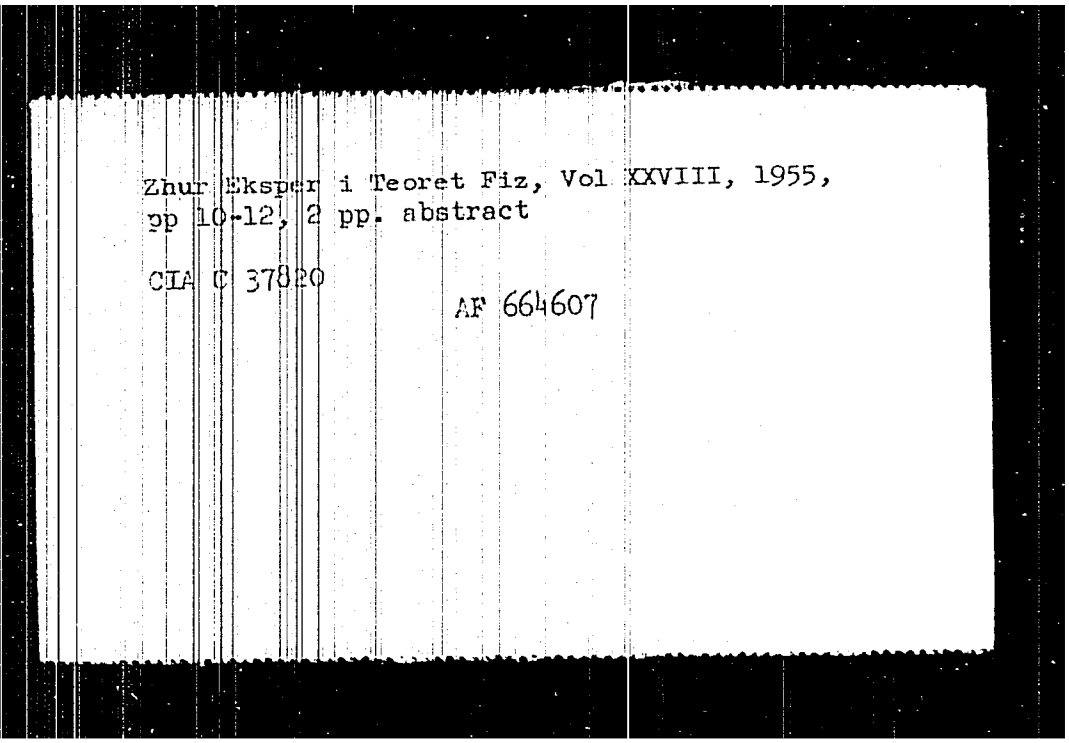

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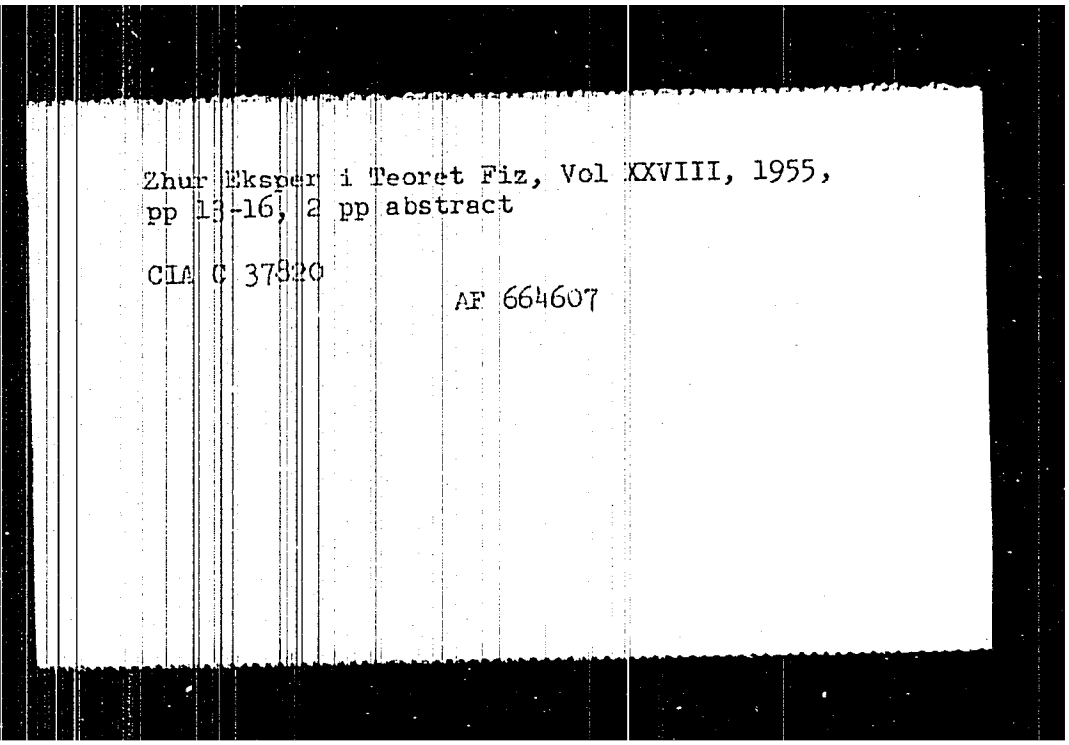

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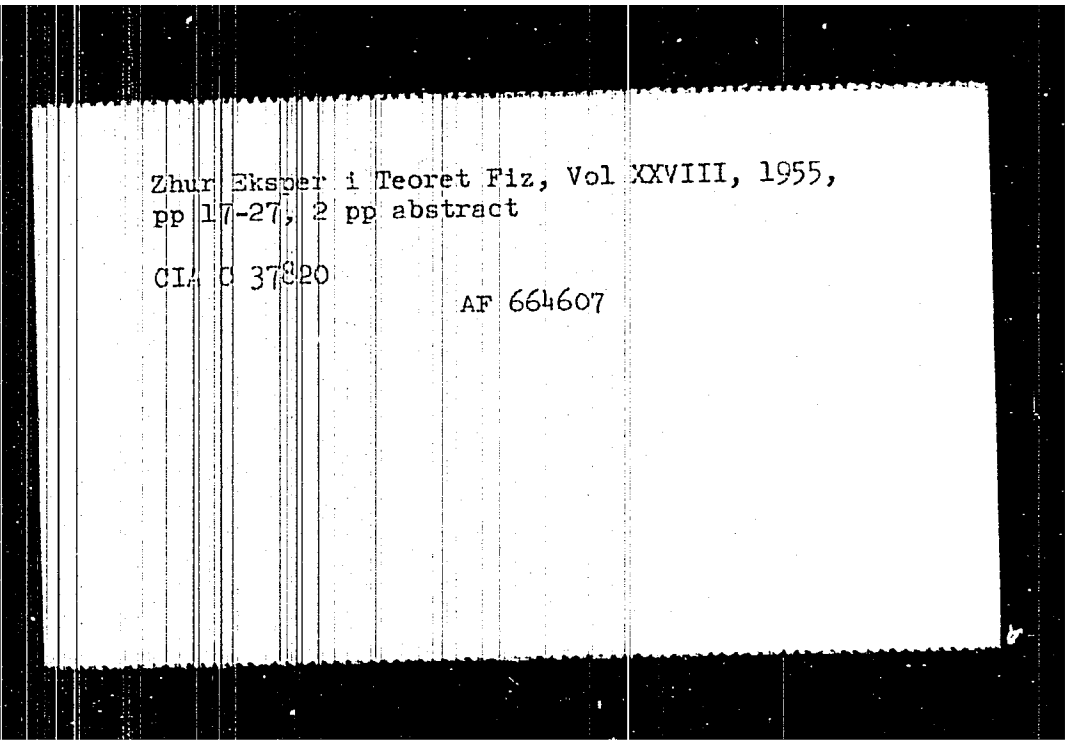

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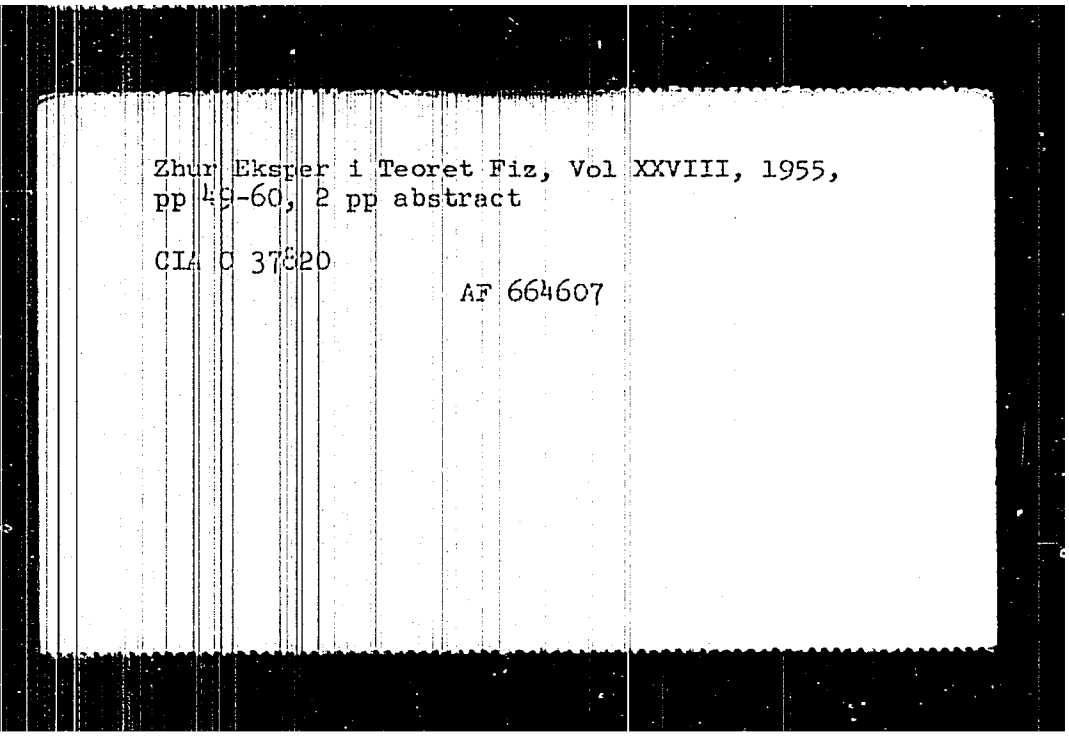

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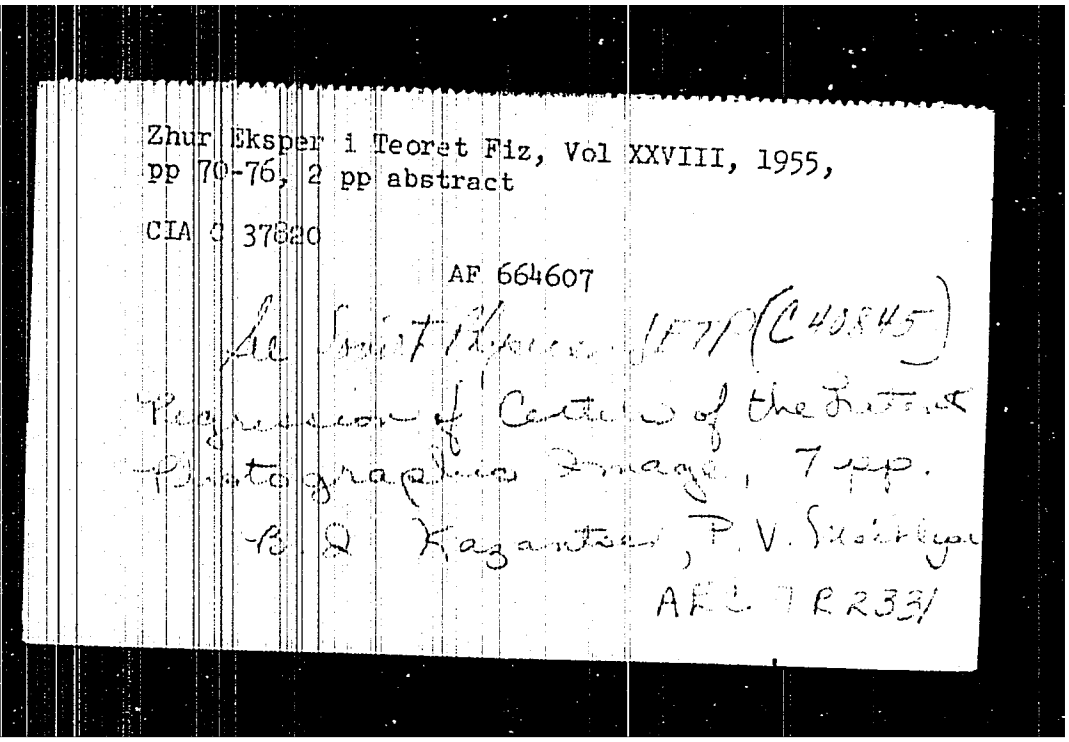

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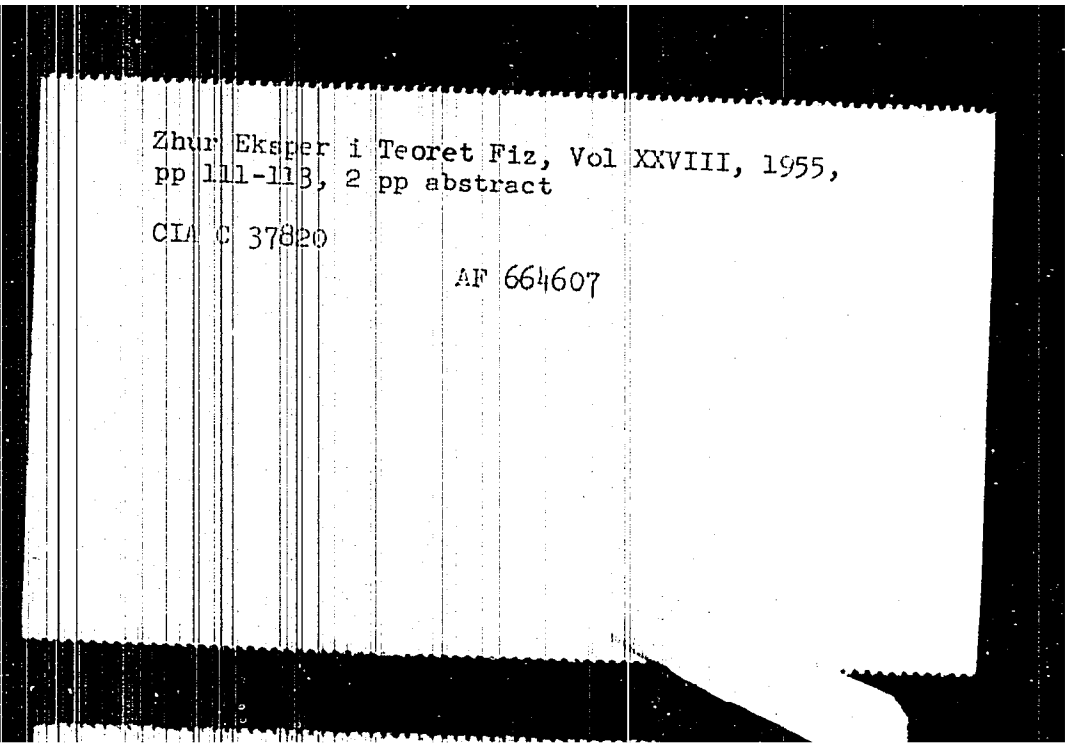

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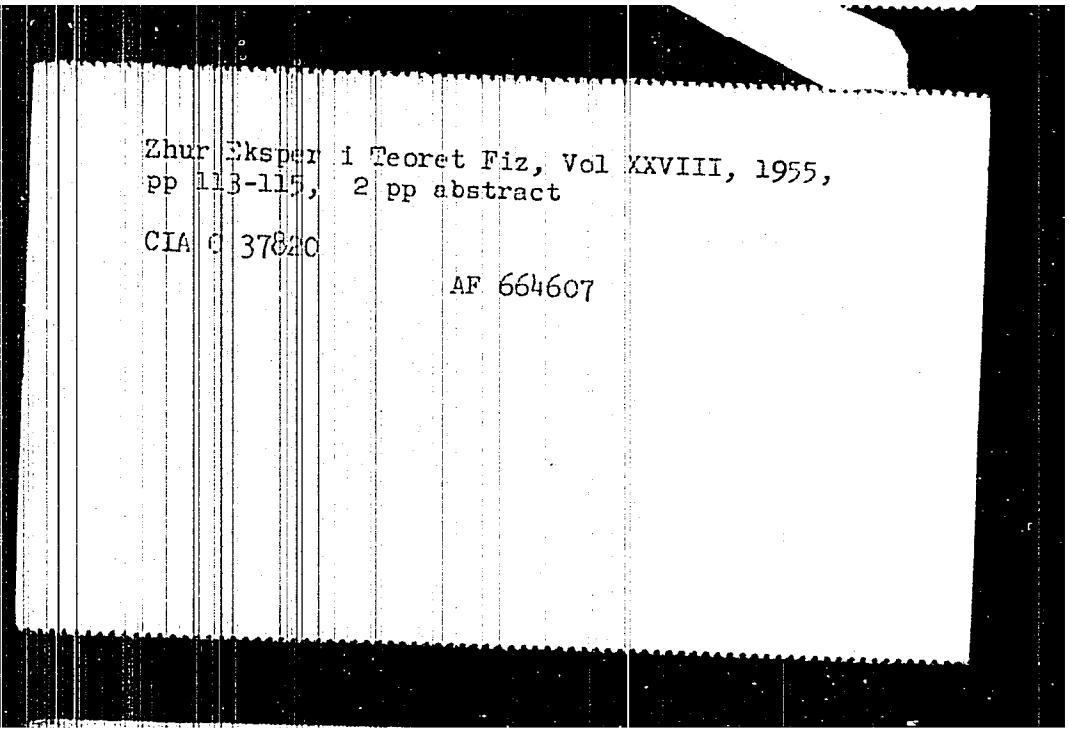

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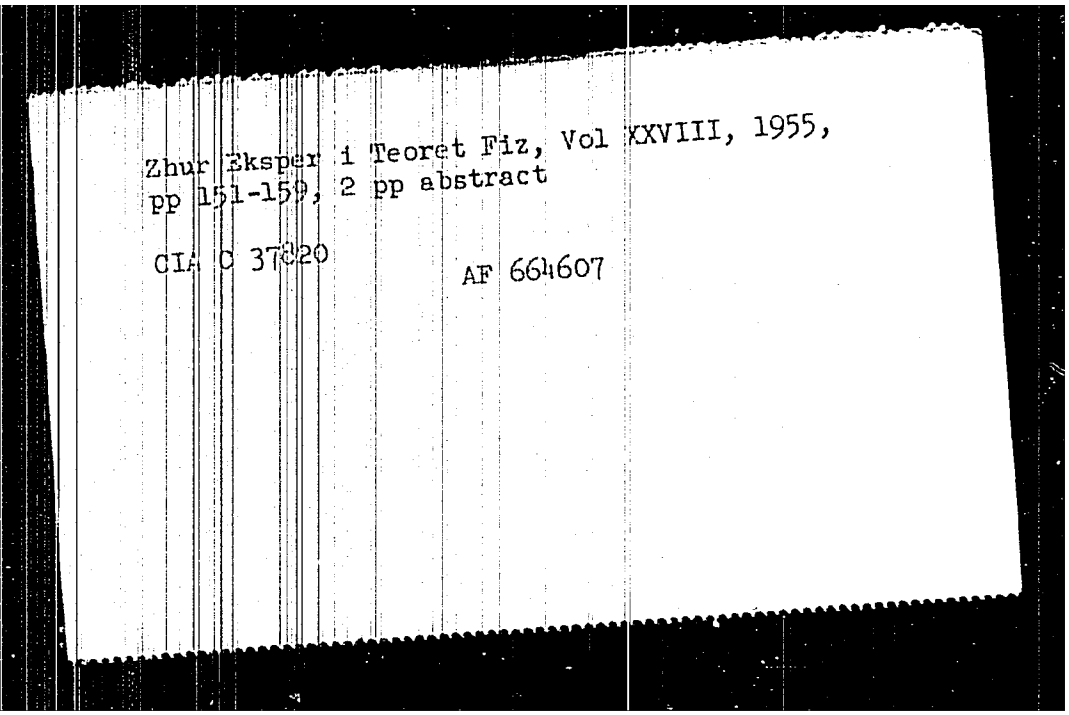

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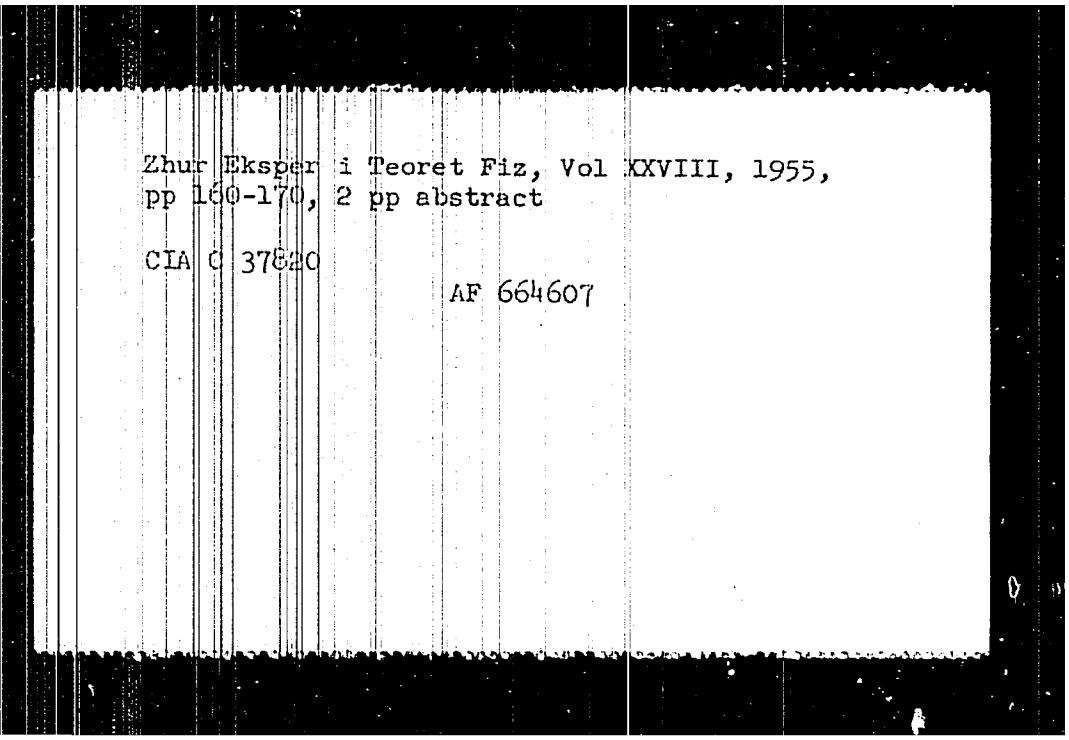

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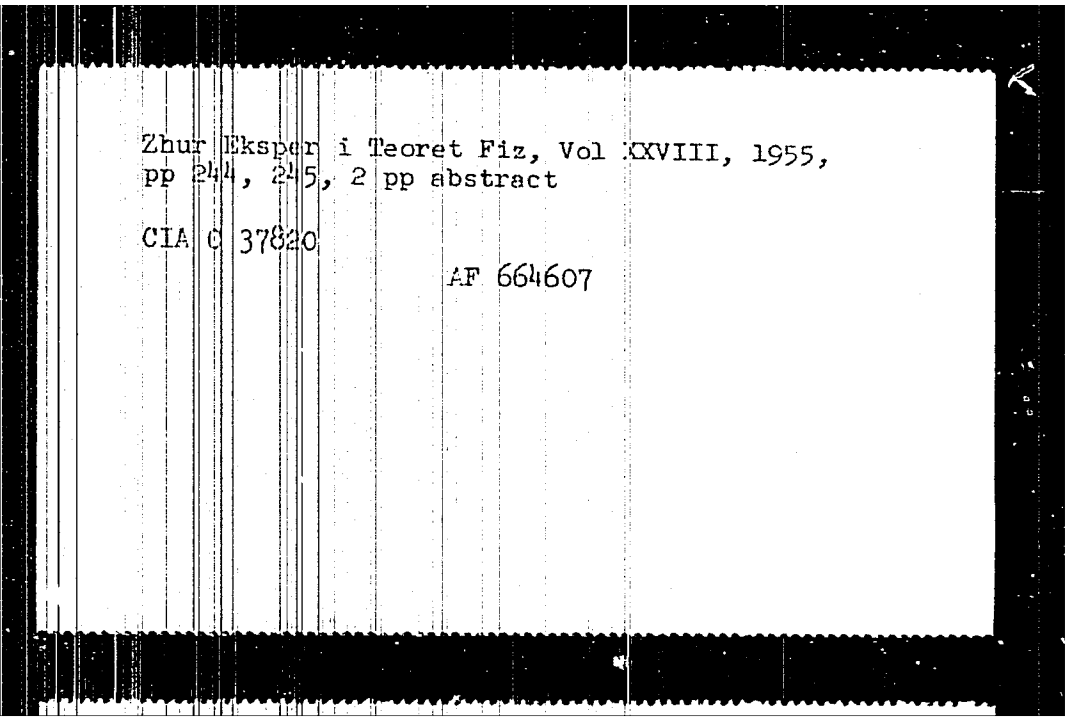

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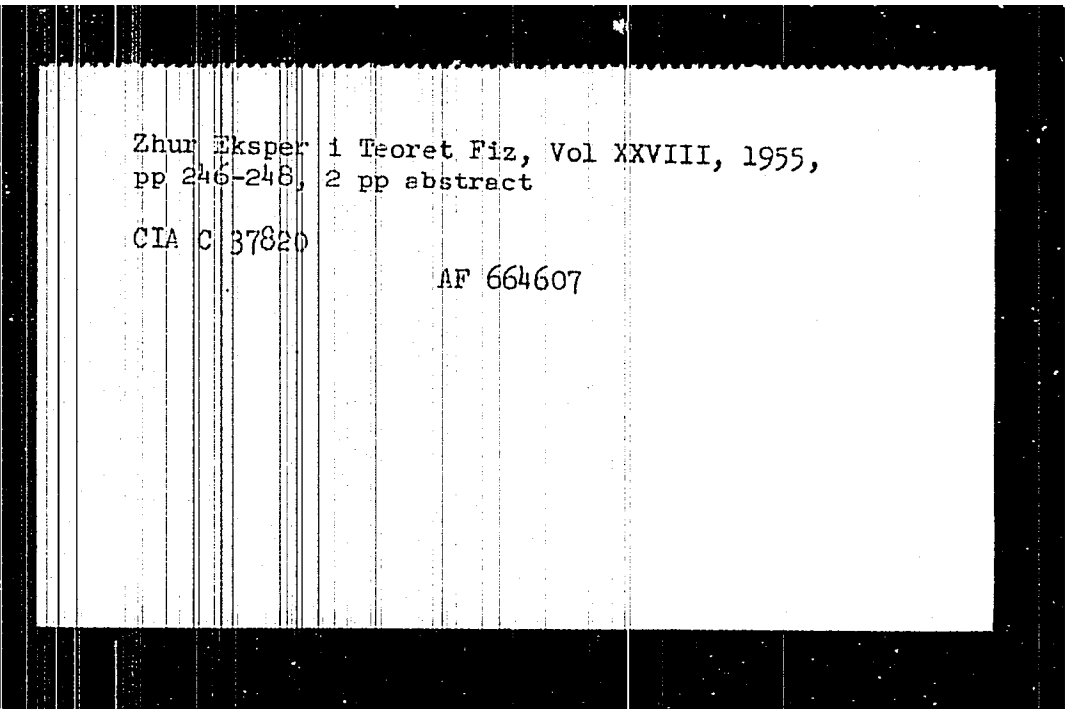

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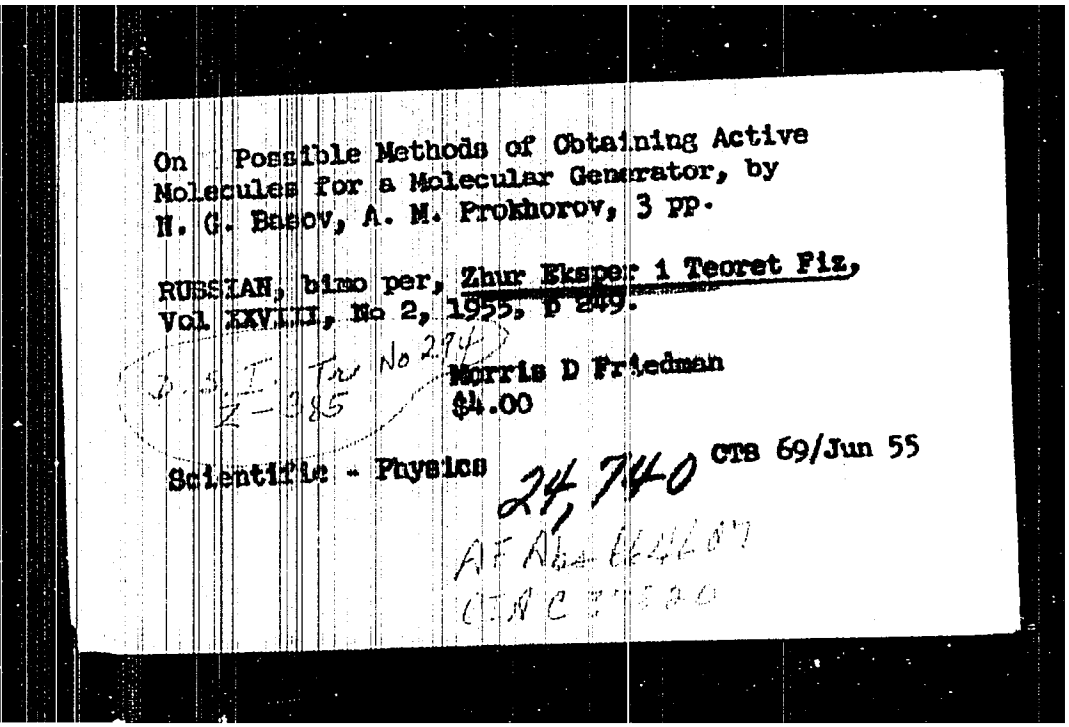

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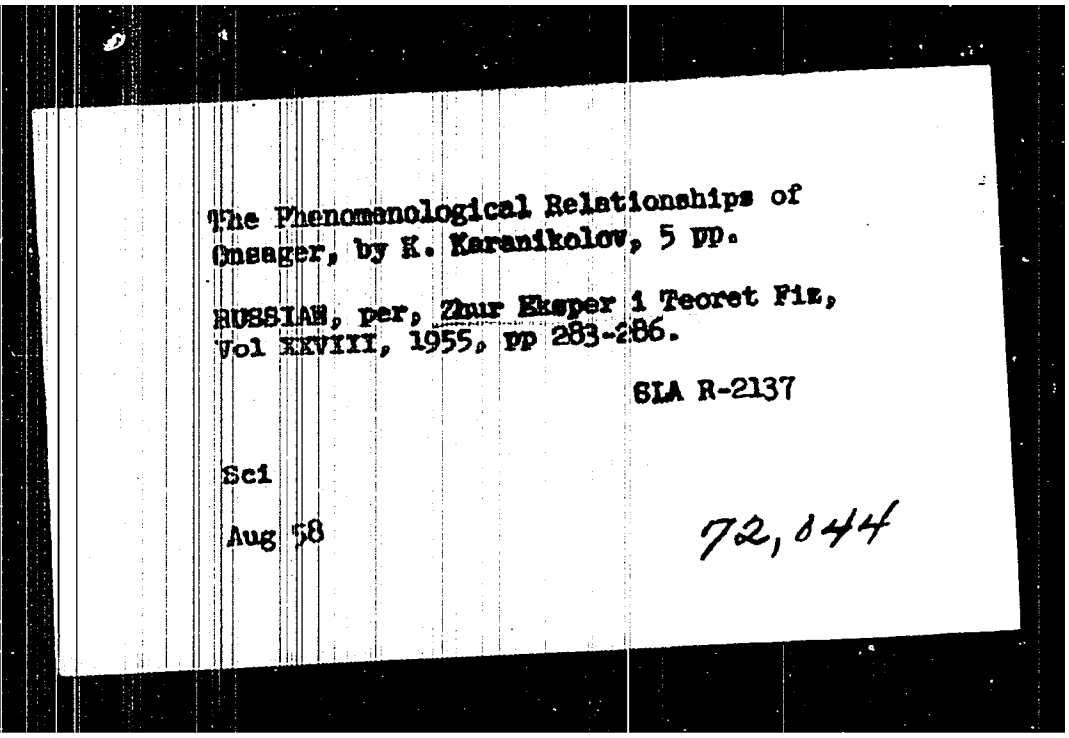

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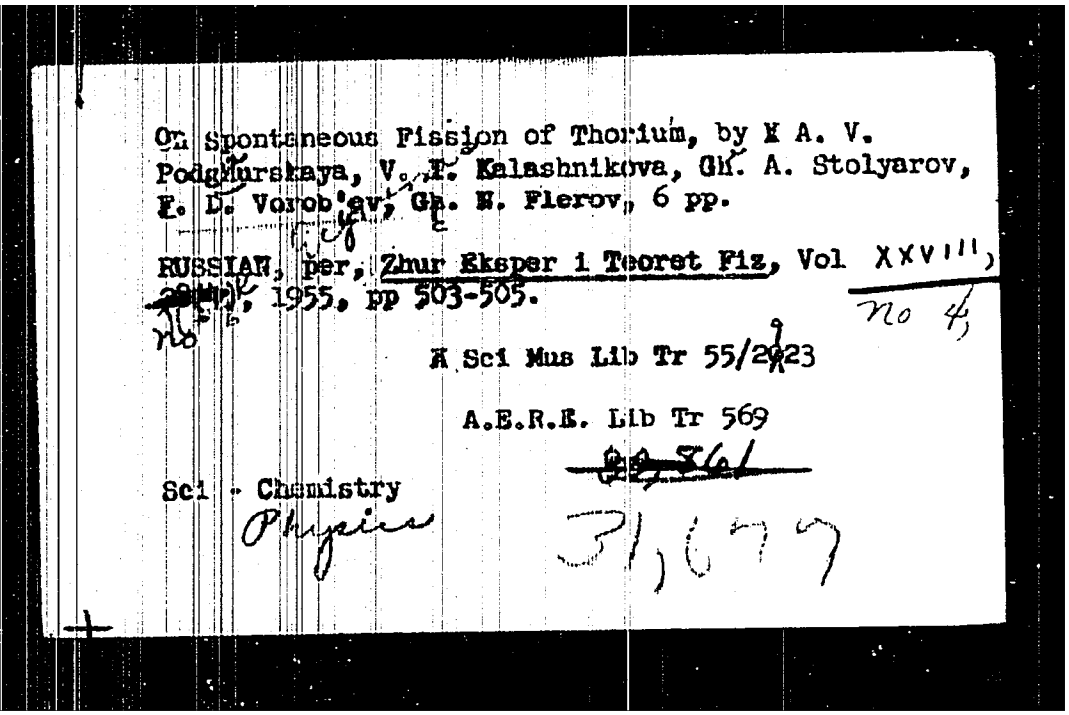

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ON THE THEORY OF THE HALL AND NERNST-ETTINGHAUSEN EFFECTS IN MIXED-CONDUCTION SEMICONDUCTORS. [1962] 21p. 5 refs.
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DESCRIPTORS: *Semiconductors, Hall effect, Electrons, Magnetic fields, Impurities, Theory.

The Hall and Nernst-Ettinghausen electromotive forces and the distribution of carrier concentrations are calculated for a mixed-conduction semiconductor in a nonuniform magnetic field. Taken into account are the presence of impurity levels and carrier recombination. (Author)

(Physics--Solid State, JT, v. 8, no. 10)

62-14472

I. Title: Electromotive forces
I. Bass, F. G.
II. Tsidil'kovskii, I. M.

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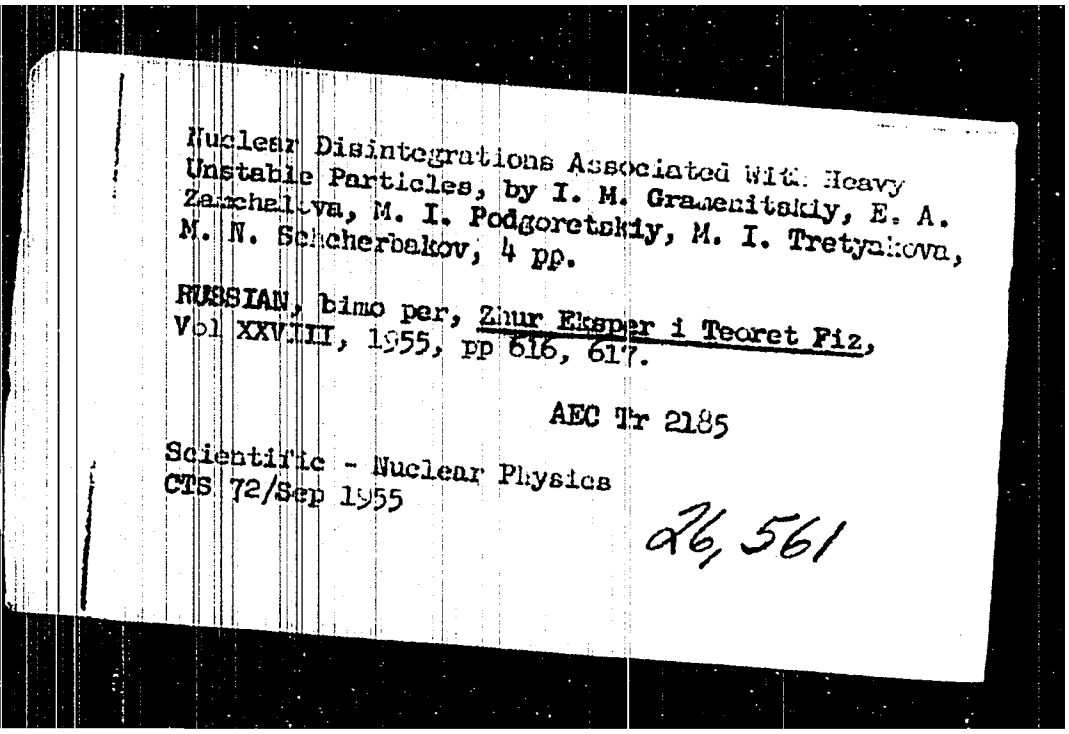

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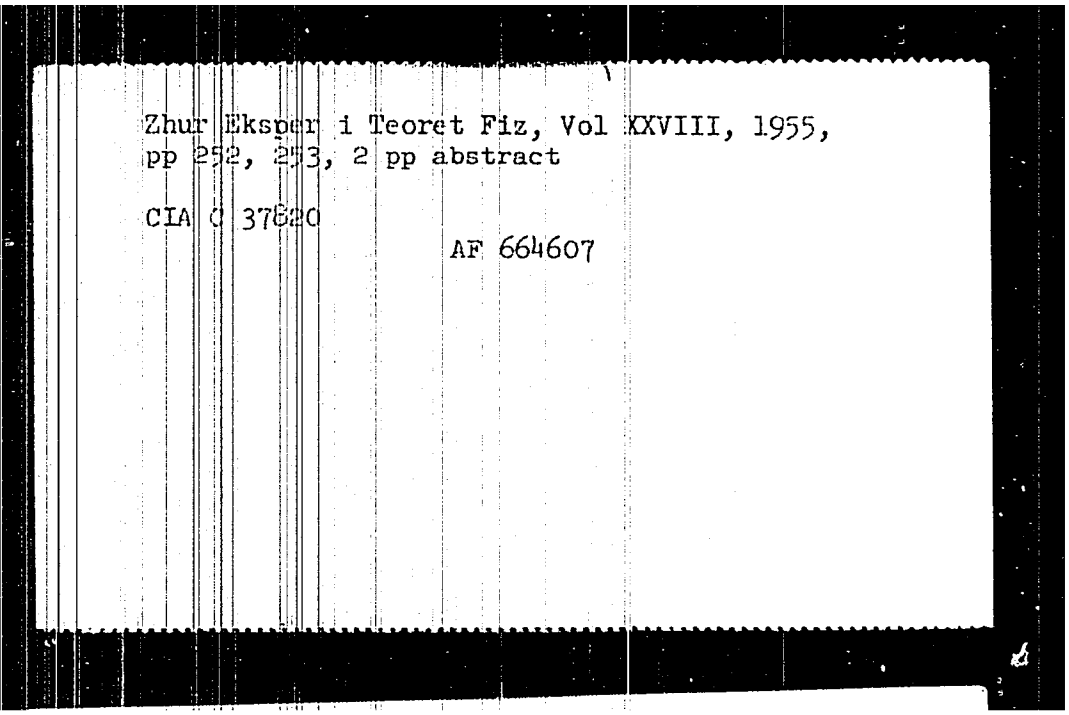

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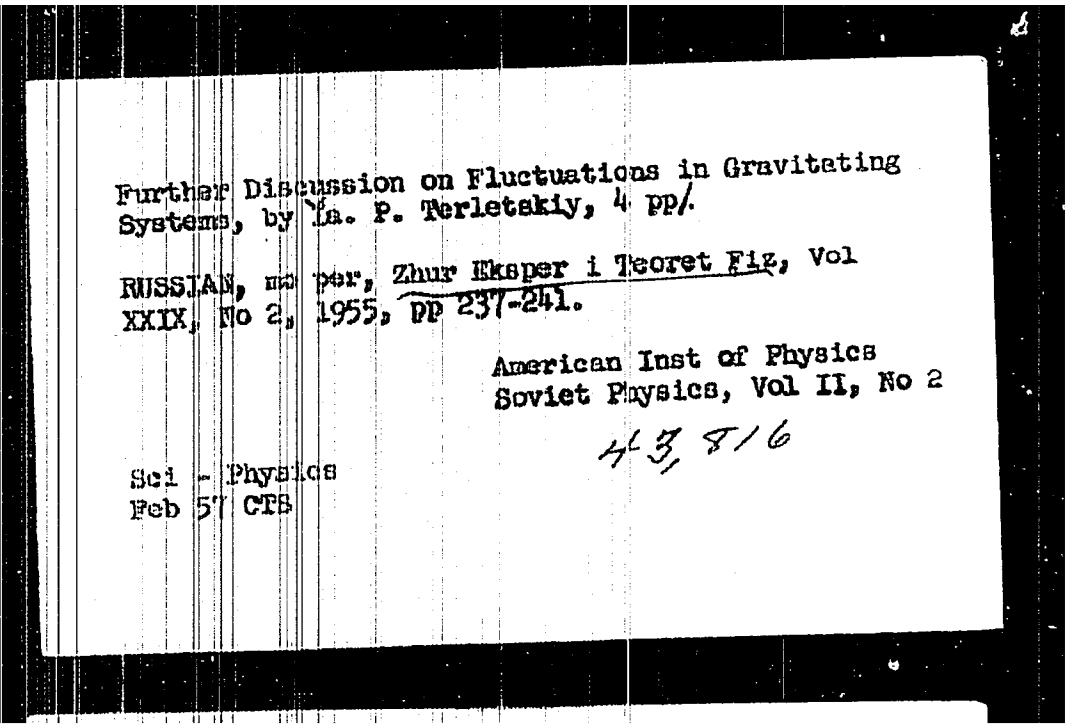

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THE STABLE DIPOLE MOMENT OF PARTICLES OF AEROSOLS. [1961] 3p. 2 refs.
Order from OTS or SLA $1.10 61-16441

Trans. of "Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1955, v. 29, Sep, p. 385.

DESCRIPTORS: *Dipole moments, *Aerosols, *Particles, Smokes, Polarization, Light transmission, Tobacco, Test methods, Electrical properties, Optics, Photoelectric effect.

Light passing through a thickness of 3 to 5 cm of tobacco smoke was modulated by a field of electric rectangular impulses. The curve of the modulation indicated periodic diminution of the transparency of the medium. The effect was observed with any direction of polarization of the light. Each change of sign
(Physics, TT, v. 7, no. 1) (over)

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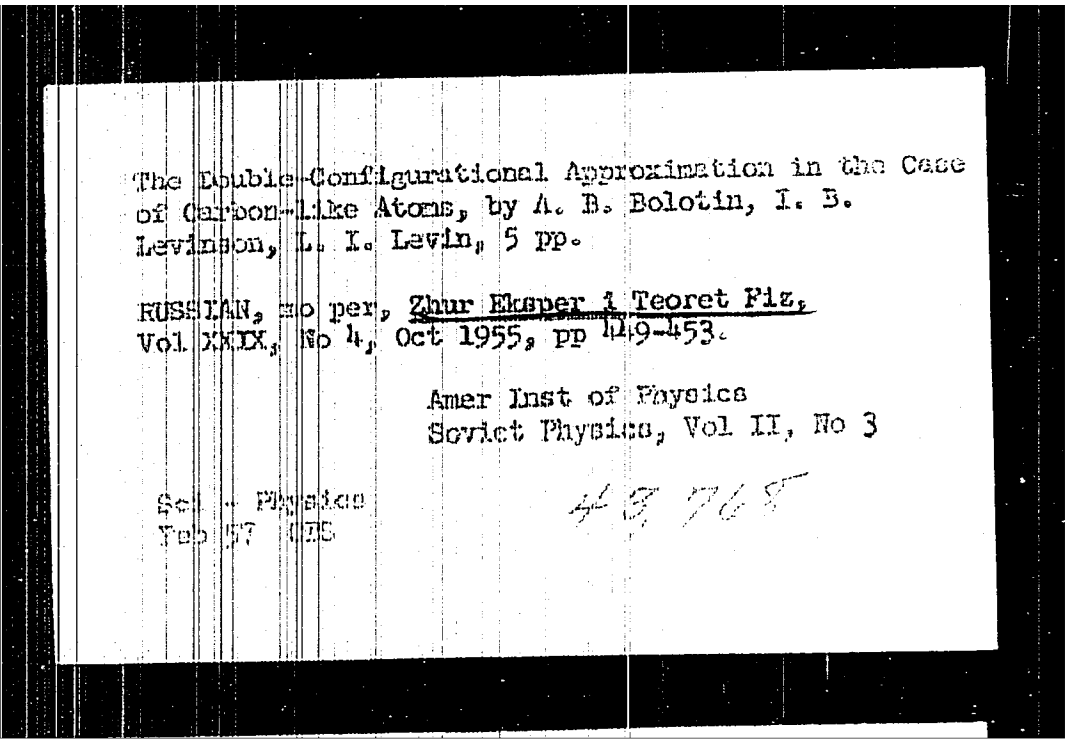

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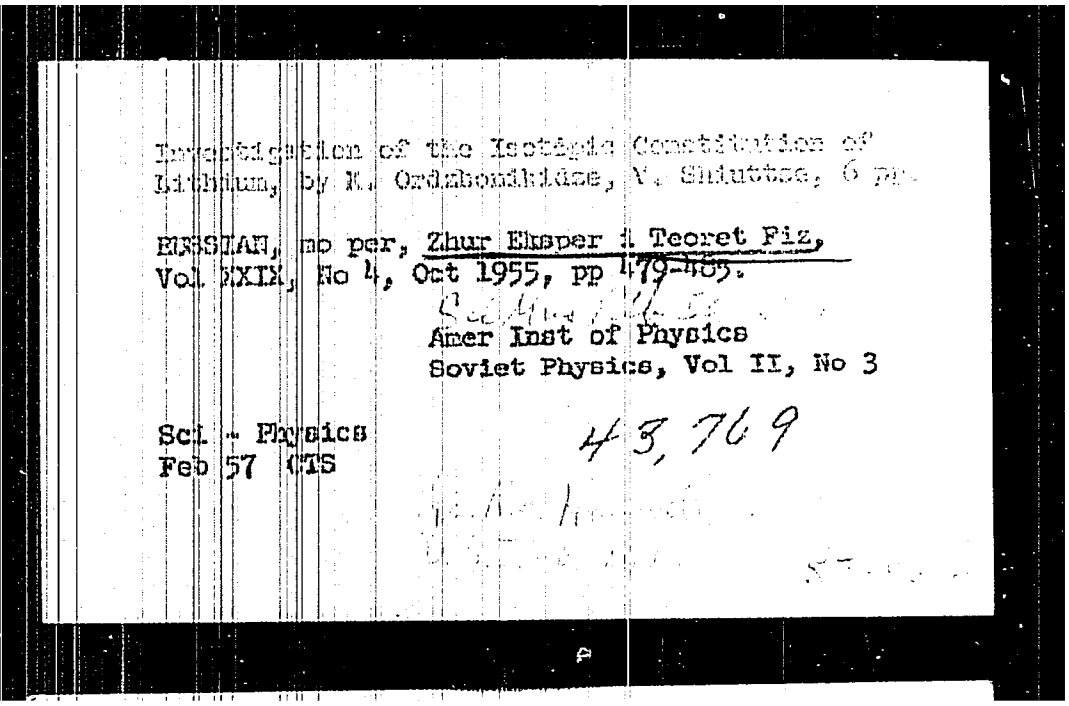

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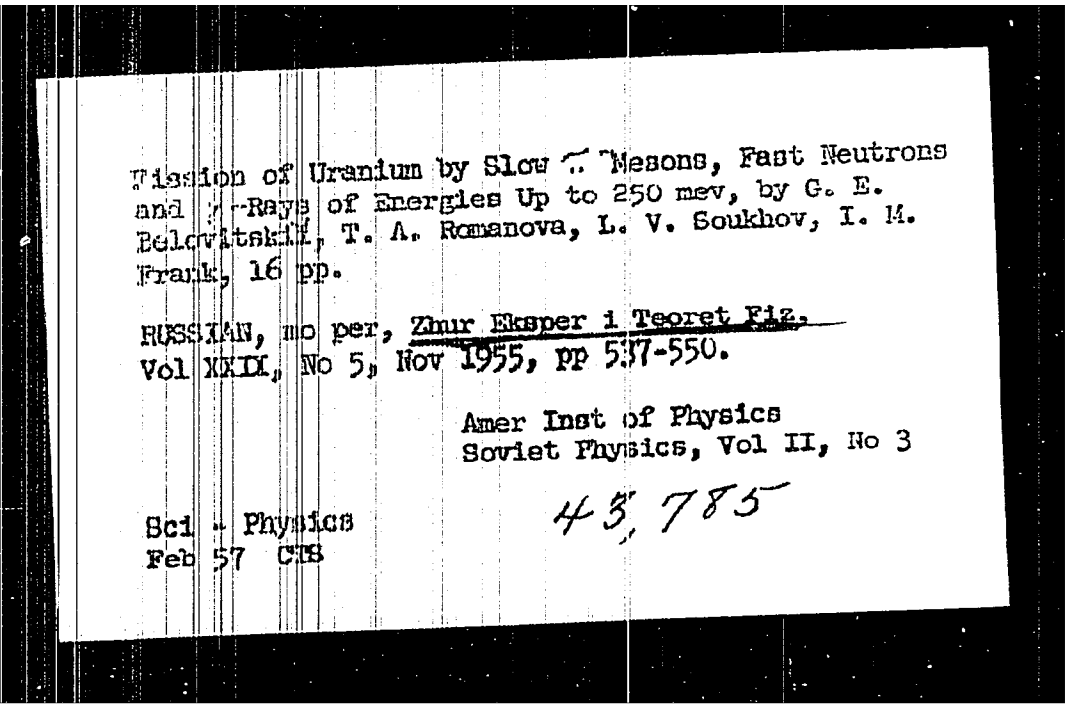

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